

From owner-qrp-1@Lehigh.EDU Sat May 3 18:04:26 1997  
From: Pete Rossi <wa3nna@resuba.com>  
Subject: [18835] \*\* 80 METER QRP BEACON IS ON NOW!!  
Message-ID: <199705030016.UAA09361@resuba.com>

The beacon is on as of 2355z .. Hope the noise levels are down. Didn't sound too bad here ..

----- WA3NNA/B 80 METER QRP BEACON ANNOUNCEMENT -----

START TIME : 0000 Z Saturday May 3 (8 PM EDT FRI 2 MAY 97)

END TIME : 2400 Z Sunday May 4 (8 PM EDT SUN 4 MAY 97)

FREQUENCY : 3557 KHz

OUTPUT POWER : Power will cycle through 5 different levels, 2 minutes at each power level; 4 minutes at the 50 uW level.

----- MINUTES PAST THE HOUR -----					POWER LEVEL
00-02	12-14	24-26	36-38	48-50	1 W
02-04	14-16	26-28	38-40	50-52	100 mW
04-06	16-18	28-30	40-42	52-54	10 mW
06-08	18-20	30-32	42-44	54-56	1 mW
08-12	20-24	32-36	44-48	56-60	50 uW <---- look!

These times should be very accurate, however, keep in mind that the power level will not change to the next level until the previous message has finished sending.

LOCATION : Newtown Square PA FM29hx (about 15 miles west of Philadelphia)

MESSAGE : VVV VVV xx MW <4\_letter\_code\_word> DE WA3NNA/B QRP  
Sent at approx 15 WPM. Unique codeword for each power level.  
The codeword will be repeated THREE TIMES at the 50 uW level.

ANTENNA : 80 meter coax fed inverted-vee center @ 65' running east/west

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REPORTING : Please send all beacon reports to  beacon@pete.resuba.com
                                         ---> ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^ <---
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Detailed signal reports, receiver and antenna info, etc are very much appreciated but PLEASE do not bury your codeword reports inside a lot of lengthy text. It takes forever to extract the information that way.

So, PLEASE include a separate text block with your report containing the following information for the lowest power level copied:

YOUR CALL & NAME  
YOUR LOCATION  
CODEWORD & POWER LEVEL  
DATE/TIME  
SIGNAL REPORT

Canadian and other DX stations, please send mailing address + long/lat coordinates of your location.

Certificates acknowledging the lowest power level at which you correctly copy the codeword will be available. Jerry, W4UK, who produced the certificates for past beacons has offered to produce them again for this one.

Details on how to request a certificate will be posted with the summary report which will be posted a few days after the beacon session, once all reports have been received. Please do not post the codewords.

Please spread the word about this beacon through whatever means available.

Good luck & 73,

Pete Rossi - WA3NNA QRP-L #459  
wa3nna@pete.resuba.com  
beacon@pete.resuba.com

From owner-qrp-l@Lehigh.EDU Sat May 3 18:04:26 1997  
From: timcook@erinet.com  
Subject: [18867] 160m radio  
Message-ID: <336B7813.2658@erinet.com>

Thanks to all who responded, the SW Labs 160m rig must be the only one available right now, as each person who responded suggested it. I must

say the comments were positive about the SW series radios..thanks again  
to all

Tim  
NZ8J

From owner-qrp-1@Lehigh.EDU Sat May 3 18:04:26 1997  
From: timcook@erinet.com  
Subject: [18849] 160m single bander?  
Message-ID: <336B2A0C.3C3F@erinet.com>

Does anyone know if there is a 160m cw qrp single band kit being made by  
anyone? Thanks for any info  
Tim  
NZ8J

From owner-qrp-1@Lehigh.EDU Sat May 3 18:04:26 1997  
From: John Dorson <jdorson@bbs.mpcs.com>  
Subject: [18850] 2000+ qrpp response results  
Message-ID: <199705031230.IAA08431@bbs.mpcs.com>

well gang the results are in.

of all the responses to my post about having to read all of those 'i didn't get'  
or 'i did get ' my qrpp postings, all but TWO of you agreed that it is truly  
a waste  
of computer resources.

one respondent suggested that some people need a real hobby.

there it is. you decide...

from john who is only reporting the results...  
Thank You

John Dorson Real Estate Consultant in Melbourne Beach, Brevard County Florida  
E-Mail To: jdorson@bbs.mpcs.com

Trying for WAS -	AL,AK,AZ,AR,CA,CO,CT,FL,GA,IL,IA,KS,KY,LA,ME,MD,MA
and worked these:	MI,MN,MT,NH,NJ,NY,NC,ND,OH,OK,OR,PA,RI,TX,VT,VA,WA
WI	

K2JHU only QRP... CQC #351, GQRP # 9092, QRP-L #672

From owner-qrp-l@Lehigh.EDU Sat May 3 18:04:26 1997  
From: Steve Galchutt <N0TU@webaccess.net>  
Subject: [18871] 38s almost thumpless  
Message-ID: <336971E5.3C88@webaccess.net>

My 38s is now just a little thumper...That is, I've tried almost all the cures...some worked and some didn't (probably an error on my part) and now it's close to thumpless. But does anyone have a summary of 'The Best of Mods'? I'm getting anxious to finish this guy and get it into a case. So I can just do some brass pounding on 30 meters! Tks Steve/n0tu

-----  
"Just doing it" - Havin'a blast buildin'& usin' QRP gear that is...  
n0tu/hw8/49er/SW40/38s/solar/backpack-mobile... QRP-L # 911  
My homepage - <http://www.webaccess.net/~S&P> ARS# 206 CQC# 394

From owner-qrp-l@Lehigh.EDU Sat May 3 18:04:26 1997  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [18857] ARRL SS Plaques  
Message-ID: <Pine.SUN.3.90.970503073247.1592B-1000000@vortex>

Hi All,

When I sent an e-mail to Randy about plaques I received this back.

\*\*\*\*\*

-----snip-----

I do the writeup for the contest but all the administrative work (log checking to plaques) is done at ARRL HQ. Send an e-mail to

Billy Lunt (blunt@arrl.org).

\*\*\*\*\*

I have not received a reply from Billy yet. I'll also cruise over and surf their web a bit today.

Will post any "hot" info I get.

cul,

73, Ron,       SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Sat May 3 18:04:26 1997  
From: Neil Heckt <neil@aade.com>  
Subject: [18840] Borrow FT101 south of Seattle?  
Message-ID: <336AAEC0.26B5@aade.com>

Someone in the south King Country area near Seattle.

I would like to borrow and FT101 transceiver for a few days to test the design of a variation of my Digital Frequency Display designed specially for that unit. The unit will not be opened as all the needed signals come out a rear panel connector.

--

Neil

Homebrew Heaven at <http://www.aade.com>  
Home of L/C Meter IIB and Digital Frequency Display  
Links to sites of interest to Engineers, Amateurs and hobbyists  
interested in Circuit Design and construction.

From owner-qrp-l@Lehigh.EDU Sat May 3 18:04:26 1997  
From: Mike Duke <K5xu@cris.com>  
Subject: [18874] CQ HOUSTON, TX  
Message-ID: <Pine.SUN.3.96.970503155210.13628F-1000000@voyager.cris.com>

If you live in Houston, and can help me, please e-mail me privately.

The American Council of the Blind will be there for its annual convention July 5 - 12. Part of ACB is a group known as ACB Radio Amateurs, of which I am Vice President.

I need to learn about two meter repeaters and simplex channels so that our simplex operation around the convention will not upset any remote links, nets, etc.

Thanks, and 73

Mike

AMATEUR RADIO STATION K 5 X U  
Jackson, Mississippi

From owner-qrp-l@Lehigh.EDU Sat May 3 18:04:26 1997  
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>  
Subject: [18852] DAYTON space & transportation from MD available  
Message-ID: <Pine.3.89.9705030736.B28413-01000000@w3eax.umd.edu>

Danny, K3TKS, and Mike, WA8MCQ, will be gracing Monte, KU7Y with their presence. Thus, in addition to my room(s) being quieter than they would have been :), this leaves me with only 3 people per room for each of two or three rooms, meaning I can take a couple of stragglers.

We're going to be at the Motel 6, which is behind the now closed Shoney's restaurant on Springboro Pike, some 1/2 mile from the Days Inn but less than 1/2 the price (per room).

N3XRV and I ALSO have gotten no firm takers on transportation from Maryland. We'll be leaving here Thursday night, and heading west thru Cumberland, Morgantown, Wheeling, and Columbus. We'll be getting home late Sunday. Anybody interested PLEASE call or e-mail me.

\* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 \*  
\*\*\* 6m 75 grids worked on 8 watts \*\*\* HF 140 cfmd \* QRP-L #147 \*\*\*  
\*\* QRP ARCI #9054 \*\* DXCC/WAS/WAC \*\*\* 100% dipole powered HF/6m \*\*  
\* 301-549-1022 h / 301-982-1015 w \*\*\* 145.490- 147.225+ PL 156.7 \*

From owner-qrp-l@Lehigh.EDU Sat May 3 18:04:26 1997  
From: randy\_ott@juno.com (Charles R Ott)  
Subject: [18832] Free 80M crystals to a good home  
Message-ID: <19970502.173025.11206.0.randy\_ott@juno.com>

Forgive me if this message gets posted twice. I don't think it went out the first time.

I have in my possession several hundred 3.384 MHz. crystals that I am willing to pass along to anyone who needs them. Some are made by M-Tron and the others are NDK. Should work fine in that Pixie (I, II, III, etc)

that you have been wanting to build or any other transmitter of direct conversion transceiver. Just looking at them on the network analyzer, they seem to 'pull' pretty well. ( ~ 1 KHz. without any added inductance) This means implementing T/R offset should work well.

Here's a short list of specs:

Frequency: 3.6864 MHz.  
Mode: Parallel (Looks like ~18 pF. load)  
Case: HC-49/U (You know, small metal can, wire leads)

The catch:

Must be used for QRP only.  
Must be used for good, never evil.

If you need some, let me know or send an S.A.S.E. or postage and I will send them to you. If you have a club or group that needs several, just ask. If you want to try your hand at building a crystal filter, you'll need several so you can match them.

Send requests to:

Randy Ott  
710 Wren Avenue  
Duncanville, TX 75116

Or Email questions to:

randy\_ott@juno.com

-----  
Charles R. (Randy) Ott  
K5HJ - QRP-L #1040  
-----

----- End forwarded message -----

From owner-qrp-l@Lehigh.EDU Sat May 3 18:04:26 1997  
From: kd4kzq@juno.com (Jim A Norworthy)  
Subject: [18873] FS 40M Transceiver

Message-ID: <19970503.143734.12175.0.kd4kzq@juno.com>

Hi Gang,

I have to let go of my Howes 40M rig. Don't fear, I will still be on with some other rig's that I have. I thought that I had this one sold but my friend is buying another rig, oh well.

Here's the particulars: C.M. Howes 40 meter Transceiver  
D C receiver  
S/RF relative front panel meter  
Dual bandwidth filter, 300Hz (-50 dB @ 3.3kHz)  
VFO ( covers 7.000-7.150 MHz)  
RIT  
XTAL also  
Side-tone generator  
Audio Filter  
R F Preamp  
1 Watt of audio out to headphone jack (8 ohm)

This rig has a rugged aluminum case, vernier dial tuning, pre-select on receive, adjustable volume and tone on side-tone and standard coax connector. I may also let a Ramsey 40M QRP amp go with the deal, amp is in an enclosure. Full documentation on all components and an extra set of transistors including finals.

\$120 shipped to 48 states.

TNX,  
72/73 es CUL de Jim KD4KZQ  
QRP-L # 1060 10-10 #66171  
kd4kzq@juno.com  
" Less is REALLY more" think about it

From owner-qrp-l@Lehigh.EDU Sat May 3 18:04:26 1997  
From: Paul Erickson <paul1@wizard.ucs.sfu.ca>  
Subject: [18879] FS/FT cable for ts830/vfo230  
Message-ID: <9705032228.AA01446@wizard.ucs.sfu.ca>

Looks like the deal I had set up fell through. Open to offers, cash or kind.

cheers, Paul  
VE7CQK



email: paul1@wizard.ucs.sfu.ca

From owner-qrp-l@Lehigh.EDU Sat May 3 18:04:26 1997  
From: n4js@amsat.org  
Subject: [18878] GM17-WIMPS  
Message-ID: <XFMail.970503181423.n4js@amsat.org>

Well, as it was rainy today, I put the finishing touches on the GM17. I must say, I was a little perturbed. The receiver doesn't seem very hot, although I can hear most signals that I can hear on the QRP+ or the HW9. It just seems noisy (internal noise). HOWEVER, I did make a qso, with W7VPK, in Nevada, who gave me a 569 report. A new state for WIMPS, and my first WIMPS 17M contact, so I guess it can't be too bad. I just don't seem to get a good peak on C3.

Also put together a KENT single lever paddle. Their quality control needs some work. One spring was missing, and one of the insulating washers didn't have a hole! Other than that, the finished product has a nice feel.

Sent at 18:14:23 on 03-May-97

John L. Sielke n4js@amsat.org n4js@pobox.com  
| \ | | | | \_ | | / \_ | n4js@n4js.ampr.org NJ Grid:FM29LN  
| . ' | | \_ \_ | | | \ \_ \_ \ http://www.qsl.net/~n4js  
| \_ | \ \_ | \_ | \ \_ \_ / | \_ \_ / NJ-QRP #57 QRP-L #884 QRP-ARCI #9328  
NE-QRP #507 G-QRP #9544 NorCal #1989 QCWA FISTS #2781 ARS #243  
WIMPS Qs=013 30m=12 17m=1 12m=0 States=04/01/00 Countries=08/00/00

From owner-qrp-l@Lehigh.EDU Sat May 3 18:04:26 1997  
From: "Carol N. Wright" <cnw@hiwaay.net>  
Subject: [18854] K4HQ or KT4LD!  
Message-ID: <Pine.OSF.3.94.970503091123.149A-1000000@fly.HiWAAY.net>

Hey Gang,  
Just want to say thanks for the info on Andrew's email. I'm going to try his aol account and see if I can get a response from him there. I was trying the wrong email account. Thanks a lot. Best 72/73 DE Matt, AE4JM

From owner-qrp-l@Lehigh.EDU Sat May 3 18:04:26 1997  
From: Mike Duke <K5xu@cris.com>

Subject: [18865] K5XU IS BACK ON THE AIR!

Message-ID: <Pine.SUN.3.96.970503121123.22789D-1000000@voyager.cris.com>

At least between thunderstorms!

The invisible end fed zepp is once again hanging in the trees behind my apartment. This time, it's made from #22 wire which was purchased via this list.

Listen for me mostly on 40, 30, and 20 meters, especially when my recently acquired Argonaut returns from Ten-Tec.

I will be here on May 22 for the 50-40-30 operation.

72/73,

Mike

AMATEUR RADIO STATION K 5 X U

Jackson, Mississippi

From owner-qrp-l@Lehigh.EDU Sat May 3 18:04:26 1997

From: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>

Subject: [18861] Latest additions to web page

Message-ID: <862671894.116768.0@gqrpclub.demon.co.uk>

Just added:

<http://www.gqrpclub.demon.co.uk/ppm.htm> PVC mast

<http://www.gqrpclub.demon.co.uk/rwvert.htm> Notes on the random wire vertical (details of which later)

[http://www.gqrpclub.demon.co.uk/80\\_40.htm](http://www.gqrpclub.demon.co.uk/80_40.htm) rules of the 80/40 league for G QRPers, started!

<http://www.gqrpclub.demon.co.uk/g0jjq.htm> G0JJQ's shack picture

Frank G3YCC

QRP Web Site: <http://www.gqrpclub.demon.co.uk>

From owner-qrp-l@Lehigh.EDU Sat May 3 18:04:26 1997

From: Bernie Doehner <bad@uhf.wireless.net>

Subject: [18833] LDG QRP autotuner with 2 wavelength dipole?

Message-ID: <Pine.BSF.3.95.970502193505.4100A-1000000@uhf.wdc.net>

Hi:

Just wondering, how many of you successfully used the LDG QRP autotuner with a dipole that had exactly 1 wavelength on each leg?

It turns out the 10 Mhz. extended double zepp is 2 wavelengths long at 14 MHz. (my other frequency of interest).

My idea was to mount the LDG tuner below the roof (just below the feedpoint of the dipole) and feed the LDG tuner into a 4:1 balun and then into the antenna.

An extended double zepp is about 400 ohms (highly capacitive). From the LDG specs the tuner should easily be able to handle that (especially through a 4:1 balun).. But I am a bit concerned about it being able to handle the high impedance of a 2 wavelength dipole.

Comments?

Thanks.

Bernie

From owner-qrp-l@Lehigh.EDU Sat May 3 18:04:26 1997  
From: Michael <MichaelN@cycat.com>  
Subject: [18858] Looking for Ferrite loop info  
Message-ID: <336B4E73.24EC@cycat.com>

I once noticed a small loop antenna, loaded with ferrite rods being used for HF (40M maybe), transmit and receive.  
It might have been in QRPP as a reprint from SPRAT.

I'm trying to find more info.

michael N6CHV

PS THANKS to everyone who sent info on VHF kits etc.

PPS I hope to complete mods to my 40-9er and get an antenna back up in time for the spartan sprint. I really need the offset and sidetone, and squirrels bit through my feedline, better use bigger coax this time. :-)

From owner-qrp-1@Lehigh.EDU Sat May 3 18:04:26 1997  
From: ROYGREGSON@aol.com  
Subject: [18844] Lost Msg's  
Message-ID: <970503011043\_1489033174@emout03.mail.aol.com>

Hi Gang....Thursday evening, I had a computer problem and lost a bunch of messages. Normally I use AOL's Flash Session feature to send and download traffic. I had downloaded all my messages, the program automatically disconnected me from the phone line and I was starting to read and make printed copies of some messages, I got thru a few when the hourglass thing did not change to the next msg. an hour later it still had not changed, so only thing left was to re-boot. That was one problem, the other is that I lost all of the remaining traffic.

I know that there were several messages from "Fists" members about the kits, and others whom I cannot remember.

So if you would please re-send I would appreciate it very much. And if I may anticipate some of the questions, please send your snail mail address for literature, & web page is <http://www.isomedia.com/homes/starbuck/emtech.htm>

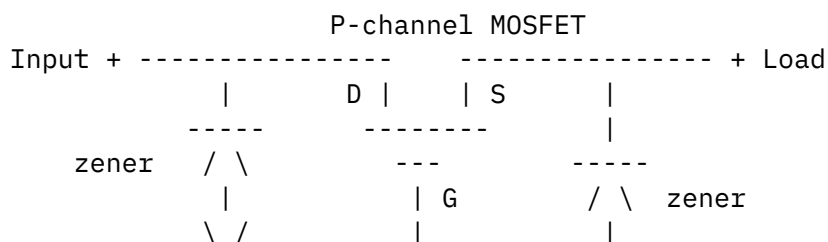
If any AOL users have an answer to the lock-up I would appreciate the help. It's very frustrating to try and get on-line help from AOL.

Thanks for your patience. cul 72's/73's Roy

From owner-qrp-1@Lehigh.EDU Sat May 3 18:04:26 1997  
From: "Arjen Raateland, SYKE/YV, puh. 09 4030 0457" <Arjen.Raateland@vyh.fi>  
Subject: [18875] low-loss reverse voltage protection with P-channel MOSFET  
Message-ID: <01IIG908C0VQ8Y5IHS@vyh21.vyh.fi>

Gang,

I have just tried out the reverse voltage protection circuit from SPRAT #84 page 9 by G4SXH using an RFP15P05. For good measure I'll draw a crude ASCII schematic:



```

      zener  -----|      |
              |      |      |
Ground -----

```

The three zener diodes are 18 V for an operating range up to 16 V.

The pin-out of the RFP15P05 is G D S in front-view with the pins pointing down.

Looking at the data of some P-channel MOSFETs the RFP15P05 is one of the best choices. The  $R_{ds} (ON)$  max is only 0,15 Ohm whereas for an IRF9630 this is 0.8 Ohm!

With the RFP15P05 I measured a voltage drop of only 77 mV at 600 mA, hence  $R_{ds}$  is 0,13 Ohm and the dissipation only 50 mW! With the input voltage reversed there was no output voltage at the output with or without experimental load (20 Ohm).

With an IRF9630 the voltage drop might be as large as ca. 0,5 V for 600 mA, so this device may not be really suitable for use in a low-loss reverse polarity protection circuit for a QRP rig.

Another MOSFET that was specified as having an  $R_{ds} (ON)$  max of 0,15 Ohm is the BUZ271. All other types in my catalogue had higher values, up to 2,4 Ohm for a IRF9622! These MOSFETs come in TO-220 packages. The MOSFET doesn't dissipate much power in this circuit, of course, and therefore it won't need heat sinking. It looks like a simple and effective circuit to me, but the components aren't as cheap as a single Schottky diode. I should have picked up more than just one of those RFP15P05's when they were on sale :(

just my 2 pennies worth,  
cheerio, OH2ZAZ  
Arjen Raateland

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--... ..- -... . - - - .. - - - - -... .- - -..
Finnish Environment Institute, Helsinki, Finland
SAS Support
EMAIL: Arjen.Raateland@vyh.fi
tel. +358 9 4030 0457
fax  +358 9 4030 0490
.-.-. -.-

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From owner-qrp-1@Lehigh.EDU Sat May 3 18:04:26 1997  
From: tahrens1@juno.com  
Subject: [18841] LZ1K0Z on now  
Message-ID: <19970502.212733.4895.0.tahrens1@juno.com>

Caught him on 40.. 7007 calling for USA.  
0330Z

gl

Tim W5FN

From owner-qrp-1@Lehigh.EDU Sat May 3 18:04:26 1997  
From: "Carol N. Wright" <cnw@hiwaay.net>  
Subject: [18855] Not QRP:HTX202 help?  
Message-ID: <Pine.OSF.3.94.970503091311.149B-1000000@fly.HiWAAAY.net>

Hey Gang,  
I've seemed to of burned up my HTX202. We had a major rash of funnel clouds and tornadoes move through my county and following counties and I couldn't get in with my ht to give reports of my QTH to the net on 2 meters. I was trying to use my HTX202 while portable to give reports. I've seemed to of burnt up my HTX202. When I try to transmit I get nothing out and the SRFH1900 transistor, I think the PA, gets really hot. It gets a little warm on receive also. I think that this SRFH1900 is open and causing it to dry excessive current or something Gang. Does anyone know of a good source for SRFH1900's or MRF581's? I'm really in need of SRFH1900's. Thanks a lot. Best 72/73 DE Matt, AE4JM

From owner-qrp-1@Lehigh.EDU Sat May 3 18:04:26 1997  
From: k7sz@juno.com (Richard H. Arland)  
Subject: [18876] Pete Rossi WA3NNA <wa3nna@pete.resuba.com>: Re: 50uW Beacon Report  
Message-ID: <19970503.205152.6975.3.k7sz@juno.com>

----- Begin forwarded message -----  
From: Pete Rossi WA3NNA <wa3nna@pete.resuba.com>  
Subject: Re: 50uW Beacon Report  
From owner-qrp-1@Lehigh.EDU Sat May 3 18:04:26 1997  
From: John Seboldt <rohrwerk@pconline.com>  
Subject: [18842] R2 and digital quadrature -- deja vu!  
Message-ID: <Pine.LNX.3.95.970502222624.11108A-1000000@newton.pconline.com>

The discussion about digital generation of the 90 degree RF phase shift has come up before. And the excellent theories about how to do it are

often based on sound knowledge of digital circuitry.

The fatal flaw is: with real-world components (the mixers, the analog version of the audio phase-shift network, etc), the rest of the stuff you're interfacing to is not as precise as you might wish. Ergo, you need tweakability over a few degrees either way.

In an article draft by Rick, KK7B, that N8ET of Kanga gave me a few years back, the original author even says straight out that the audio phase shift networks are not exactly 90 degrees (and with real-world components, even at 1 percent tolerance, they probably vary a bit across the audio passband as well). Some R2 modifications may change the load impedance on those stages, necessitating a 90.5 degree L0. Even worse, in the T2, in the original design (driving impedances were off), 93 degrees was required for a null at one point in the audio passband. With a modification (amplitude balance pot at 1K with 2.7K resistors from each end of the pot to the 6V "ground" bus for the opamps), it still had to be 91 degrees.

Ray Anderson, WB6TPU <raymonda@radium.eng.sun.com last I heard> and Glen Leinweber VE3DNL <leinwebe@mcmaster.ca> came up with a design using some ECL chips that was nicely tweakable. It does require that you lift the mixer L0 feeds from ground and feed them balanced. I have some of the information in the form of PostScript schematics; I really can't remember whether they are/were the most recent. I think Ray at least breadboarded one up. Glen still hangs about this list, I believe, so maybe he tried it and remembers more.

Meanwhile, back in the analog realm (mostly), my R2 project is documented at <<http://www.pconline.com/~rohrwerk/k0jd/>>. I've been happy with the best LC approach I've found, the twisted-wire quadrature hybrid. Someday more digital devices will find their way into at least the home-based, bulky, clunky, klutzy modular approach I'm using.

72, John Seboldt K0JD

From owner-qrp-1@Lehigh.EDU Sat May 3 18:04:26 1997  
From: Bigbob97@aol.com  
Subject: [18830] Scope Probes  
Message-ID: <970502181432\_146774811@emout13.mail.aol.com>

Hi friends!

Needing a scope probe, which I understand is better than the piece of coax I now use, I was pleased to read the post by Rich N3SLR about Probemaster at 1

800 772 1519.

I called and spoke to Dick Press, the president of the company, located in So. Ca. Dick is a friendly guy who says his probes are made in USA and he has been in business in So. Ca. for about ten years. He has a web site at [www.probemaster.com](http://www.probemaster.com) and will have a new catalog up in about two weeks.

I have not done business with Dick and usual disclaimers apply. However, after I read his catalog I feel that he will be a good source for info to answer my questions about probes.

73,  
Bob WB2DHK in Jersey City, NJ

From owner-qrp-l@Lehigh.EDU Sat May 3 18:04:26 1997  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
Subject: [18859] SS Plaques  
Message-ID: <199705031441.JAA07749@chuck.dallas.sgi.com>

Gang,

Got email back from Randy, K5ZD. Send email to Billy Lunt (blunt@arrl.org) if you are putting up the \$50 for a QRP plaque or any plaque for that matter.

Heck, we could probably get enough people in this group alone to sponsor all the plaques. :- ) ;- ) You rich dudes and dudettes.

dit dit de K5F0/am/5/7/6

Chuck Adams K5F0 CP-60 adams@sgi.com  
<http://reality.sgi.com/adams/>  
WIMPS: Qs=032 30m=21 17m=5 12m=0 States=19/05/00 DX=03/00/00 QSLs=005

From owner-qrp-l@Lehigh.EDU Sat May 3 18:04:26 1997  
From: "Steve & Anne Ray" <sbralr@worldnet.att.net>  
Subject: [18837] Thump Problem Fixed  
Message-ID: <19970503015719.AAA9765@pentium>

Hi Gang,

Thanks to Niel's EMail and several others I finally successfully implemented VE6NJK mod. I had done the typical dumb thing. Used a .1 mfd instead of .01 mfd in Niels mod. Would you believe when I built my 38S I



checked each cap, choke and resistor on my bridge before installation.  
You would think I could read 104 vs. 103 on the caps for Niels mod.  
After fixing that mistake, I still had a very slight thump, I then  
implemented the mod of back to back diodes across 1 & 2 of U5 and the thump  
is history.

Thanks for the help.

I have had only one 38S QS0 to 38S QS0, but look out I will be heating up  
the band this weekend with my 3 watts.

73/72

Steve K4JPN Ex K1VKW a converted Yankee from Mass who has lived in Georgia  
29 years.

From owner-qrp-1@Lehigh.EDU Sat May 3 18:04:26 1997  
From: n4so@juno.com (charles k brown)  
Subject: [18868] TS-530S is down  
Message-ID: <19970503.115810.4263.9.n4so@juno.com>

Need technical help for a Kenwood TS-530S.  
This is my 30 meter radio and it has an intermittant fault.  
Symtoms are: it cuts off and has no receive noise, the frequency  
readout is lost, the red LED lights on the vfo, rit ,xit and cal are dim.  
When the radio was working the transmit relay would click on/off briefly  
every 10 minutes or so for no reason.  
Anyone with a service manual or experience with this radio?  
Ken Brown, N4SO  
QTH nr Mobile, AL  
qrp-1 #622  
n4so@juno.com

From owner-qrp-1@Lehigh.EDU Sat May 3 18:04:26 1997  
From: k7sz@juno.com (Richard H. Arland)  
Subject: [18851] WA3NNA/B Heard at 50uWs  
Message-ID: <19970503.131405.6959.6.k7sz@juno.com>

Gang:

This morning, at 0400Z, I gave a listen for the WA3NNA Beacon on 3557 kc.

Here's my results:

0402Z 1Watt 579 (Outstanding Signal...the dude who wrote the "Why QRP?" letter to QST should have been there!)

0404Z 100mW 549 - 559 (Still VERY readable through the 80 meter noise)

0406 10 mW 429-539 (The noise is starting to win!)

0408 1mW 319-429 (Sigs dropping down into the band noise)

0410 50uW 219 (Couldn't copy the CODE WORD, but did get IDs)

0423 50uW 219 (Finally got the CODE WORD! Sigs right with the noise level and would pop up for a few characters then disappear)

RIG: Yaesu FT-301S

ANT: 80 mtr Zepp

NOTE: I feel that this is an outstanding accomplishment for my particular location since I am located in the city of Wilkes-Barre, PA and subject to severe noise levels, especially on 80 meters. The noise was running about an S-2 to 3 early this morning (actually last nite) with peaks to S-5. While I doubt that this is any kind of a world record, it certainly is an accomplishment for this operator.

73 es tnx.

From owner-qrp-1@Lehigh.EDU Sat May 3 18:04:26 1997

From: kclark@ridgecrest.ca.us (K. Clark)

Subject: [18877] Western State Net 40m

Message-ID: <v01530501af90f91dcc95@[199.120.150.19]>

Greetings all,

I just wanted to post a reminder of the ARCI Western States Net Saturday morning at 0900 pacific time (currently 1600 UTC) on about 7038-7040 Khz. It is a friendly get-together and all QRP ops are welcome. First-time check-ins are usually asked for name, QTH, and station information, and their ARCI number, if they have one (none needed). After

the call-up, with 2 or more stations doing CQ duties to catch check-ins too close for skip, we have a round-table for news and QRP activities. We get up to 15 check-ins at times, only a few sometimes. Usually Colorado is the furthest East we can hear.

We rotate Net Control Stations each week to share that duty. I'm regularly NCS the 3rd Sat each month. W6JHQ takes the 4th Sat, and is the net manager. Anyone wishing to participate as a regular net control station should contact Tom, W6JHQ. I think we have an opening for the 1st Sat. We'll look for some new WSN-40 check-ins from the QRP-L gang - see you there!

73 Keith Clark W6SIY Ridgecrest, CA in the Mojave desert

Worked 13 stations in QRPTTF from my home station. Unable to get out in the field. Was pleased to catch the area 51 group. I got a kick out of Ron KU7Y coming back to my sloppily-sent call with AT6SIY, EXACTLY as I had sent it! It's always a pleasure to contact a sharp operator who can duplicate your errors in real time! A good reminder to send better. Great fun, as always.

From owner-qrp-l@Lehigh.EDU Sat May 3 18:04:26 1997  
From: bachmann@ari.net  
Subject: [18836] Zinc Chromate Primer  
Message-ID: <199705030154.VAA28825@mtolympus.ari.net>

Bill,

I searched high and low for Zinc Chromate Primer and struck out.

I did find a replacement. It is Tempo Green Zinc Oxide Primer. The label says " A Fast-Dry Green (6-11) Zinc Oxide Coating , ideal for use as a basecoat for all aluminum, magnesium, and non-ferrous surfaces. Professional Choice zinc oxide primers actually fuse to metal surfaces through a unique etching process, providing maximum protection against corrosion and oxidation."

I found it at E&B Marine, a chain of boating stores. It is used to prime the lower unit on outboards and IO drives. It is expensive, 10 or 12 bucks a can. One can will do several aluminum boxes.

I have used it to paint cast boxes and aluminum panels. It worked out very well for me.

Rich, N3SLR, Baltimore, MD

From owner-qrp-1@Lehigh.EDU Sat May 3 18:04:26 1997  
From: "Mark S. Adams" <msadams@acsu.buffalo.edu>  
Subject: [18853] Re: 160m single bander?  
Message-ID: <Pine.GS0.3.95.970503100315.1170B-1000000@autarch.acsu.buffalo.edu>

Hi Tim and Gang,

Dave, NN1G, has a 160M version of the SW series. It is the SW160. A description is on his page located at the Norcal web site. I really love my SW40.

Also Tim, please send me a QSL for our QSO back in February. My logging program somehow goofed up the time and date. I did not notice the mistake until now. My computer thinks our QSO was from 1999, hmmm....

72, Mark N2VPK  
Member of the Buffalo QRP Connection

On Sat, 3 May 1997 timcook@erinet.com wrote:

> Does anyone know if there is a 160m cw qrp single band kit being made by  
> anyone? Thanks for any info  
> Tim  
> NZ8J  
>

From owner-qrp-1@Lehigh.EDU Sat May 3 18:04:26 1997  
From: "Carol N. Wright" <cnw@hiwaay.net>  
Subject: [18866] Re: 160m single bander?  
Message-ID: <Pine.OSF.3.94.970503122639.22469I-1000000@fly.HiWAAY.net>

Hey Tim and Gang,  
Check out Small Wonders Labs web page. The rig is by Dave Benson, NN1G.  
Go to  
<http://www.fix.net/~jparker/sml.htm>  
Best 72/73 DE Matt, AE4JM

From owner-qrp-1@Lehigh.EDU Sat May 3 18:04:26 1997  
From: Doug <doug@sunrise.alpinet.net>  
Subject: [18862] Re: bug vs keyer  
Message-ID: <336B553F.5602@alpinet.net>

HI Bill...thanks for the note. If it didnt come across in my post, I really love the CW mode and how we can meet and enjoy one another using an old method of communication.

Fear not the Bug....just get one...new or old (Mitch will gladly supply you with parts), tune it up and then sit down with a phone book or newspaper and start practicing the patterns of rythm and timing. It does take some time, but once you get it down, you'll find it stays with you for life.

Once you get your confidence up, get on the air and try your hand... I'd love to be your first contact with it.

Best of luck and just give it a try. Nobody ever was an expert from the start.

73

Doug, K7YD

bill r isbister wrote:

>

> hi doug, name here is bill, call k8wi. Just wanted to let you know I just  
> read your posting on qrp-1 and I thought that it was one of the best  
> editorials I have ever read about the hobby. You really should submit it  
> to one of the ham magazines, as they all could use such a positive and  
> upbeat article as yours.

> As for bugs and keyers, I have only been licensed since 89, I use a  
> keyer and have only seen a bug a few times. I am usually the shaky guy on  
> the other end of the Qso so I didn't think a bug was for me .

>

> 73, bill isbister

> k8wi@juno.com

>

From owner-qrp-1@Lehigh.EDU Sat May 3 18:04:26 1997  
From: george fremin iii <geoiii@bga.com>  
Subject: [18838] Re: Coax as a balanced feeder??? (fwd)  
Message-ID: <199705030304.WAA04387@zoom.bga.com>

I forwarded some of this thread to a friend of mine  
that I knew had used coax as a balanced feeder.  
I pass his reply along.

George K5TR

```
>Subject: Re: Coax as a balanced feeder??? (fwd)
>Mime-Version: 1.0
>Content-Type: text/plain; charset="us-ascii"
>
>
>>>    Using two runs of coaxial cable as a balanced feeder will result in an
>>>    additional 3-dB loss.
>>>
>
>
>George, this is BS (Bogus Speculation)
>
>Yes, I have done this on my 8/8/8/8 10M array that got such good EME
>echoes when it up. It was my contention that the loss would stay the
>same--simple thought problem. If you think in terms of coax with
>3 dB loss over the run from rig to antenna and then use two of them in
>a balanced feeder it was my contention that you could think in terms of
>half the power going into each one and each one would have 3 dB loss.
>
>So if a single 50 ohm coax had 10 watts going in and had 3 dB loss
>then the antenna would receive 5 watts. If the balanced pair of
>coaxes each had 5 watts going in and each had 3 dB loss then you would
>have 2.5 watts at the far end of EACH coax--combined back into 5 watts.
>Maybe not the best analogy but it gave me the answer that made most
>sense. I wanted to believe that with all of the extra copper that maybe the
>loss would be less, but I couldn't get a logical handle on it that made sense
>and I certainly didn't believe that the losses would be greater than with a
>single coax.
>
>I posed this question to my good friend who wishes to remain anonymous
>by suffice it to say that he is a EE professor at the nation's number one
>public electrical engineering school. (Already too much of a clue.)
>
>Here is his response:
>
>John -
>
>If you believe in the RGLC circuit model for the T-line, then the following
>might convince you that the loss stays the same.
>
```



From owner-qrp-1@Lehigh.EDU Sat May 3 18:04:26 1997  
From: wb2vuo@juno.com (William K Hibbert)  
Subject: [18831] Re: DAYTON 2m/440 QRP frequencies for the flea mkt!  
Message-ID: <19970502.180225.7743.1.wb2vuo@juno.com>

Great idea, but there's a bunch of UHF gear that Won't Work on the frequency listed. The 70 cm bandplan lists "channels" on a 25 KHz raster, so 446.725 MHz would work, or 446.750 MHz. My Rat Shack HTX-404 will work on the 20 KHz rasters, but the Standard C-508 that I had was either 12.5 KHz or 25 KHz...

72/73, Keith, WB2VUO

----- Begin forwarded message -----  
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>  
Subject: DAYTON 2m/440 QRP frequencies for the flea mkt!  
From owner-qrp-1@Lehigh.EDU Sat May 3 18:04:26 1997  
From: mdwatt@usit.net (Marty Watt)  
Subject: [18864] Re: FS or FT: Complete 40m QRP station!  
Message-ID: <336c5891.36429102@smtp.usit.net>

On Wed, 30 Apr 1997 17:02:36 GMT, mdwatt@usit.net (Marty Watt)  
wrote:

>I have an MFJ 9040 CW transceiver, with Outbacker, Jr. multi-band  
>(80-10) mobile HF antenna, unbuilt TiCK keyer w/instructions and  
>datasheet, and Bencher BY-1 Iambic Paddles with plexiglas dust  
>cover.

...

>Would like to trade for Alinco DR-610 or similar dual-band VHF/UHF  
>radio, to be used primarily VHF/VHF for Skywarn activities. Ability  
>to work VHF/VHF is failry important ...

>

>OR, will sell for \$425, incl. shipping lower 48.

>

>Excellent novice rig, makes great gift for that first-time ham on  
>HF, etc., etc., etc.

Having gotten \*no\* response on this, I'll up the ante a bit.

Also included for the same trade/price is a built, operational  
NorCal 38 special, for two-band operation (40 and 30m, with antenna,  
etc.)

72 es 73 de=20



Marty, KM7W

-----  
Jackson, Tennessee e-mail: mdwatt@usit.net  
http://www.public.usit.net/mdwatt  
"The Curmudgeon's Corner"  
NorCal #2031 - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq  
-----

From owner-qrp-l@Lehigh.EDU Sat May 3 18:04:26 1997  
From: "Arjen Raateland, SYKE/YV, puh. 09 4030 0457" <Arjen.Raateland@vyh.fi>  
Subject: [18834] Re: IRF 9630  
Message-ID: <01IIF1LZBASC8Y5GS7@vyh21.vyh.fi>

> I ought to add that it IS possible to use the FET as a reverse  
> polarity protection device by reversing the drain and source  
> leads so that the the parasitic diode isn't a problem. See page  
> 41 of the July 1993 QST for the proper implementation.

> --Zack W1VT

The article about the P-channel MOSFET as reverse polarity protection  
that I referred to in an earlier message to QRP-L was published in  
SPRAT #84 on page 9.

I have marked a correction to the diagram in my copy, and I'm not sure  
where such an erratum was published, but as printed the drain is  
connected to the supply +, the source to the load and the gate to  
ground. In order to protect the FET from electrostatic charges, there  
are two back to back zeners over the supply and one over the load. All  
3 zeners are 18 V types for an operating voltage up to 16 V.

According to the pencil marked correction in my copy the source and  
drain should be reversed. The author G4SXH mentions the parasitic  
diode in the text. My conclusion after studying the circuit and the  
text again, is that the printed diagram is actually correct, but I'm  
not 100% sure. The DS current will flow in a sense opposite from what  
it would do in most circuits; normally from S to D in a P-MOSFET, but  
here from D to S.

Maybe somebody could set me and perhaps other readers straight on  
this. With the proper MOSFET the voltage drop should be less than with  
a Schottky power diode. An RFP15P05 has a maximum ON resistance of  
only 0.15 Ohm. Not all P-MOSFETs are that good, though.

73, OH2ZAZ

Arjen Raateland

---... --- -- ... . --- ..... --- --... .- ---...  
Finnish Environment Institute, Helsinki, Finland  
SAS Support  
EMAIL: Arjen.Raateland@vyh.fi  
tel. +358 9 4030 0457  
fax +358 9 4030 0490  
.-.-. -.-

From owner-qrp-l@Lehigh.EDU Sat May 3 18:04:26 1997  
From: "Lau, Zack, W1VT" <zlau@arrl.org>  
Subject: [18869] Re: IRF 9630  
Message-ID: <m0wNjni-0004ihC@mgate.arrl.org>

I recommend testing the assembled circuit with incandescent lamps (not LEDs) and a voltmeter to verify proper operation and low on--resistance.

--Zack Lau W1VT

>Maybe somebody could set me and perhaps other readers straight on  
>this. With the proper MOSFET the voltage drop should be less than with  
>a Schottky power diode. An RFP15P05 has a maximum ON resistance of  
>only 0.15 Ohm. Not all P-MOSFETs are that good, though.  
>  
>73, OH2ZAZ  
>Arjen Raateland

From owner-qrp-l@Lehigh.EDU Sat May 3 18:04:26 1997  
From: Doug <doug@sunrise.alpinet.net>  
Subject: [18843] Re: Keyer vs Bug  
Message-ID: <336ABA2A.16C8@alpinet.net>

Hi Marty and the Bunch....interesting comments on Straight key vs Bug vs Keyer and some of the frustrations we all find trying to copy poor code...whether sent on a Bug or whatever else is being used.

A few points to consider:

In 35 years on the air...most on CW, I've got to say that some of the best, most interesting folks met on the air were not sending perfect, rythmic Morse. Some were "new guys", trying like hell to master an art that they've had little coaching at, but at least the nerve to give

it a try, and the others...well, some were Old Timers...fighting Arthritis, Alshymer's (spelling?) and any of the myriad other maladies that bring us all to bay in our older age. Should I not work these stations because their sending is tough to copy? Or, should I give it an honest try...meet the fellow on the other end, be patient, ask for a resend of important info and maybe, just maybe strain my backside enough to find a real person out there?

How does the new guy get any practice? Are we too good (read that pompous) to dig a little and maybe become a better op in the process? At least these folks are on the air, using the Code instead of sitting on the sidelines whining because they had to learn it in the first place. Remember, ANYONE can pick up a mic and go on phone. Most of us will defend Morse in a fight, so why complain about those who either havent yet quite got it down or those who've just kept at it to stay active and in "touch" with their world out in the "Ether"?

Imagine the world of an OT...of fading capacity and living out what is left of his life, who can still set a Morse circuit and do a tolerable job of meeting new friends and pounding out the Mother Tongue?

One Ham I love to keep in touch with is 92 (yes!), still using the bug and still having fun at it. Is the Morse perfect? Hell no, it's tough on a good day, but what a character this guy is....wouldnt miss it for the world. Just drag out the Cans, sit back and copy his fumbles and restarts...and laugh along with him. We've never had a Qso less than an hour long...always enjoyable.

As far as I'm concerned, if anyone wants to give it a go on CW, I'm for doing my best to dig out the information, help them along and perhaps inspire a little renewed interest in a part of the Hobby we all love. Each and every convert to CW we can help along benefits us as a group, and might even move some toward QRP, which also helps the effort.

So come on folks....complain less...dig a little more. Use an old Vibroplex (the ONLY Bug!!!), Straight Key, keyer, a pair of paperclips or whatever...just do it! Each QSO has something in it to be learned, everyone has a bit to contribute to each of us, dont miss out on the experience. You might just meet someone who has something to share.

A large part of this fantastic hobby is Fellowship...no one said it was gonna come across as perfect copy.

Have fun and enjoy!

73 to all

Doug, K7YD

Marty Watt wrote:

```
>
> On Wed, 30 Apr 1997 13:15:41 -0000, "Michael Connor"
> <mikec@primenet.com> wrote:
>
> > I was listening to 40 last night while fooling with the new OHR100 and
> > heard a guy calling CQ. Actually, it sounded much more like he was
> > sending "C E K". It sounded like a direct attempt at personal flair. He
> > got not takers. A coupla KC's up the band N7ILM was calling CQ with a
> > slow steady straight key and was answered on his first call. I should
> > know; twas me that answered him.-)
>
> Before people get upset at the "anti-bug" comments, I think they
> serve a useful purpose on the list here. Someone mentioned
> privately that with more than one strike against us already, sloppy
> sending can only complicate our QRP lives ...
>
> Plus, to add another suggestion, in poor to marginal conditions,
> faster isn't better. Think of a modem -- under marginal line
> conditions, the modems automatically slowdown to increase
> throughput. And, after all, that's what we need -- throughput, not
> speed.
>
> Honestly, even with excellent fists (anticipation of the rhythm is
> important!), I can copy a novice speed under slow conditions better
> than an extra speed ...
>
> 72 es 73 de
> Marty, KM7W
>
> -----
> Jackson, Tennessee e-mail: mdwatt@usit.net
> http://www.public.usit.net/mdwatt
> "The Curmudgeon's Corner"
> NorCal #2031 - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq
> ~~~~~
```

From owner-qrp-l@Lehigh.EDU Sat May 3 18:04:26 1997  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [18845] Re: Keyer vs Bug  
Message-ID: <Pine.SUN.3.90.970502215447.659C-1000000@vortex>

Hi Doug, and the gang,

Boy, did you do a great job of saying what was on my mind!

Let me add just a bit.....

I started in 1953. No electronic keyers, just hand pumps, bugs and cottiees!! (Or swipers as they are also called)

When you tuned across the band, you could tell who many of the stations were by the way they sounded. Most of the rigs were HB and each one had it's own sound.....some a clear ring like a bell while others had a little whooooosh to them. There were the drifters, both up and down, the cherpers and buzzers!

There were good fists, poor fists and also those who kept slipping into American Moris during the middle of the word and those who you really had to work for!

But it was like walking into a room full of people. You just knew who was there by their sound. You didn't have to wait till they gave a call. You remembered that this fellow was an old RR hand that used to send CW for the RR.

That other fellow just down the band is a doctor who enjoys sending out hand made QSL cards!

The art was more in copying than in sending. The same is still true today only we are so very spoiled.

Most CW today is not hand made. Some sort of computer chip does all the timing for us. And we even manage to argue about just how that should be done. How about the debate about Farnsworth? No one can say that's good CW! It violates the rules of timing. It's just that some find it easier to copy at slow speeds.

So it's all kinda relative.

I used to get upset with poor fists. But two things have happened to wake me up....

1) I called a CQ at about 35 wpm one day and a fellow called me back at about 15/20 wpm and poorly sent at that! (We do all know that you should reply to someone at the same speed they are calling don't we??).

I said to myself, "So much for a little up beat qsoing".....and went back to him at his speed. (Remember, this is the correct way to do it.....or should I say polite way!).

When I turned it over to him, he said to go ahead and send as fast as I wanted because he could copy fine up to around 50 but

that he had had a stroke and could not send much any more!

That QSO lasted over 2 hours and was one that I'm glad I didn't miss!

and

2) My right thumb has started giving me trouble and there doesn't seem to be anything the Doc's can do about it. I can not send along at 40 wpm any more. And at times 30 is making it hurt.

So I might even be one of the OF's that winds up sending poor cw and it'll sure get my goat if so many are too high and mighty to work a little extra to talk to me!!

To me the real art of cw is copying. Anyone can send one way or another. I've always wondered how well the fellow sent that had to blow through the straw to work the keyer!

OK, soap box up. Thanks for the time, cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Sat May 3 18:04:26 1997  
From: Niels Jensen Kristjansson <nkristja@cadvision.com>  
Subject: [18846] Re: Keyer vs Bug  
Message-ID: <1.5.4.16.19970502101920.1aef4cca@cadvision.com>

Sounds like distinctive swing to me ;-)  
Sorry gang just could not leave this one alone.

72 de N=EDels  
VE6NJK/TF3NJ

: Argonaut 509, HW-7, 49-er on steroids, 38S made of silk  
: Ah yes! a distinctive swing ;-)

-----  
>Date: Fri, 2 May 1997 22:14:14 -0700 (PDT)  
>Reply-To: ku7y@sage.dri.edu  
>Sender: owner-qrp-l@Lehigh.EDU  
>From: Monte Stark <ku7y@sage.dri.edu>

>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Subject: Re: Keyer vs Bug  
>X-To: Doug <doug@sunrise.alpinet.net>  
>X-Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
>X-Sender: ku7y@vortex  
>X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN  
>  
>Hi Doug, and the gang,  
>  
>Boy, did you do a great job of saying what was on my mind!  
>  
>Let me add just a bit.....  
>  
>I started in 1953. No electronic keyers, just hand pumps, bugs  
>and cottiees!! (Or swipers as they are also called)  
>  
>When you tuned across the band, you could tell who many of the  
>stations were by the way they sounded. Most of the rigs were=20  
>HB and each one had it's own sound.....some a clear ring like  
>a bell while others had a little whooooosh to them. There were  
>the drifters, both up and down, the cherpers and buzzers!  
>  
>There were good fists, poor fists and also those who kept slipping  
>into American Moris during the middle of the word and those who  
>you really had to work for!  
>  
>But it was like walking into a room full of people. You just knew  
>who was there by their sound. You didn't have to wait till they  
>gave a call. You remembered that this fellow was an old RR hand  
>that used to send CW for the RR.  
>  
>That other fellow just down the band is a doctor who enjoys sending  
>out hand made QSL cards!  
>  
>The art was more in copying than in sending. The same is still true  
>today only we are so very spoiled.  
>  
>Most CW today is not hand made. Some sort of computer chip does  
>all the timing for us. And we even manage to argue about just how  
>that should be done. How about the debate about Farnsworth? No one  
>can say that's good CW! It violates the rules of timing. It's just  
>that some find it easier to copy at slow speeds.  
>  
>So it's all kinda relative.  
>  
>I used to get upset with poor fists. But two things have happened  
>to wake me up....  
>

>1) I called a CQ at about 35 wpm one day and a fellow called me  
>back at about 15/20 wpm and poorly sent at that! (We do all know=20  
>that you should reply to someone at the same speed they are calling  
>don't we??).  
>  
>I said to myself, "So much for a little up beat qsoing".....and=20  
>went back to him at his speed. (Remember, this is the correct  
>way to do it.....or should I say polite way!)=20  
>  
>When I turned it over to him, he said to go ahead and send as  
>fast as I wanted because he could copy fine up to around 50 but  
>that he had had a stroke and could not send much any more!  
>  
>That QSO lasted over 2 hours and was one that I'm glad I didn't  
>miss!  
>  
>and  
>  
>2) My right thumb has started giving me trouble and there doesn't  
>seem to be anything the Doc's can do about it. I can not send along  
>at 40 wpm any more. And at times 30 is making it hurt.  
>  
>So I might even be one of the OF's that winds up sending poor cw  
>and it'll sure get my goat if so many are too high and mighty to  
>work a little extra to talk to me!!  
>  
>To me the real art of cw is copying. Anyone can send one way or  
>another. I've always wondered how well the fellow sent that had  
>to blow through the straw to work the keyer!  
>  
>OK, soap box up. Thanks for the time, cul,  
>  
>73, Ron, SOWP 5545M,  
>  
>.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
>....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
>....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....  
>  
>  
>

From owner-qrp-l@Lehigh.EDU Sat May 3 18:04:26 1997  
From: mdwatt@usit.net (Marty Watt)  
Subject: [18847] Re: Keyer vs Bug  
Message-ID: <336ccc82.568276@smtp.usit.net>



Monte, Doug, et al.

On Fri, 2 May 1997 22:14:14 -0700 (PDT), Monte Stark  
<ku7y@sage.dri.edu> wrote:

>Hi Doug, and the gang,

>

>Boy, did you do a great job of saying what was on my mind!

>The art was more in copying than in sending. The same is still true  
>today only we are so very spoiled.

>

>Most CW today is not hand made. Some sort of computer chip does  
>all the timing for us. And we even manage to argue about just how  
>that should be done. How about the debate about Farnsworth? No one  
>can say that's good CW! It violates the rules of timing. It's just  
>that some find it easier to copy at slow speeds.

>

>So it's all kinda relative.

This I will happily admit. Honestly, upon reflection, I think I'm  
more upset at *\*my\** inability to copy than *\*their\** inability (for  
whatever reason) to send.

>I used to get upset with poor fists. But two things have happened  
>to wake me up....

>

>1) I called a CQ at about 35 wpm one day and a fellow called me  
>back at about 15/20 wpm and poorly sent at that! (We do all know=20  
>that you should reply to someone at the same speed they are calling  
>don't we??).

I do, and do. At least as much as I can -- I'm no speed demon as it  
is. Comfortable at 15 or so, I suppose, more comfortable at 10!

>I said to myself, "So much for a little up beat qsoing".....and=20  
>went back to him at his speed. (Remember, this is the correct  
>way to do it.....or should I say polite way!).=20

>

>When I turned it over to him, he said to go ahead and send as  
>fast as I wanted because he could copy fine up to around 50 but  
>that he had had a stroke and could not send much any more!

=46ine. I'm basically addressing those kW stations that refuse to  
admit their limitations, and continue attempting 35 when they can't  
realistically send over 20.

I'm more than happy to slow down, if it makes the code copyable.

Since I've already dug myself into a hole of my own creation, anything I say will sound patronizing.

But the signals I heard I couldn't decipher \*anything\*. Some was a bug problem -- the guy with the dits at 60wpm and the dahs at 2wpm. That's not a limitation -- that's just plain silly in my book.

And the gentleperson who used a straight key and ran everything together? For all I know, this person was indeed disabled in some way, and yes, I probably missed a wonderful QSO and lifelong friend. But for heaven's sake -- would it kill to slow down a bit? It would do absolute wonders for the code copyability.

My point is not that I can only tolerate "perfect, computer-generated CW". My point is that most every piece of equipment we utilize has a proper and improper use and setup. And I'm not convinced a 1:50 weighting on a bug is proper. If the dahs will only come out at 5 wpm, great. Send 5 wpm, and let's chat! But, please, using a bug, slow those dits down too!

As for straight keys, I monitored a discussion somewhere (perhaps here, but I think more likely a newsgroup somewhere) in which people were touting their sending speed with a straight key. Speed is wonderful, as long as quality doesn't diminish. I can send at 150 wpm, on a straight key, but noone will understand a single character, nor could a computer program decipher it.

The primary objective of this game, it seems to me, is communication. And it behooves all of us, young and old, fast and slow, beginner or expert, to focus our attention on facilitating communication rather than personal style, particularly where the personal style is to the detriment of communication.

My remarks are not intended to slam those well-intentioned people with difficulties that I can't even imagine. But it raises the question -- and this is the heart of it, for me -- should another operator be offended when I ask them to QRS and space the CW more, or adjust their weighting if possible, etc.? I am, honestly, afraid to do so, and don't know how to do so without offending the other person, who may in fact be much more CW-proficient than myself. Given the "pride" taken in various "personal styles", I don't want to affront anyone, so I don't make the QSO. It's sad, for both of us.

As to beginners -- if someone admits to me to being a beginner, or trying to increase speed, I'm happy to help (as my eagerness to stay

in the novice subband on 40 surely indicates). It further helps me! But, I don't want to offend them either -- and in a world without elmers, many people (occasionally myself included!) do get offended when we're doing something wrong and get corrected in a public forum.

More than likely, the poor code is a result of little or no honest elmer support. And where I sit, it's not my place (and indeed is rude!) to constructively criticize the CW of others on the air. Kinda like the guy who, on his own, gets a license, upgrades to General, and his first HF transmission of "Breaker, Breaker, anybody copy me?" gets met with "Get of my frequency, you dipwad!" (From a report of a new ham -- true story!).

I don't know what the solution is -- perhaps one of the more elder statesmen of the group can help enlighten me (and other newcomers to the hobby) about proper CW etiquette for correcting another on the air.

If any exists ...

>That QSO lasted over 2 hours and was one that I'm glad I didn't  
>miss!  
>  
>and  
>  
>2) My right thumb has started giving me trouble and there doesn't  
>seem to be anything the Doc's can do about it. I can not send along  
>at 40 wpm any more. And at times 30 is making it hurt.  
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>....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....  
>

>

72 es 73 de=20  
Marty, KM7W

-----  
Jackson, Tennessee e-mail: mdwatt@usit.net  
http://www.public.usit.net/mdwatt  
"The Curmudgeon's Corner"  
NorCal #2031 - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq  
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From owner-qrp-l@Lehigh.EDU Sat May 3 18:04:26 1997  
From: launerb@crl.com (William H. Launer)  
Subject: [18872] Re: Keyer vs Bug  
Message-ID: <v01530501af913e3d392c@[192.0.2.1]>

Hi, Gang

This has nothing to do with the "keyer vs. bug" discussion, but I thought it might be of some interest.

Some years ago, I had a qso with a retired railroad telegrapher who used a "bug". He told me that he and some other rr telegraphers who were also hams, sent American Morse with their right hands, and radiotelegraph code with their left hands. They did this to prevent messing up their ability to practice their profession. Apparently their brains were able to equate a different "language" with each hand. As I recall, his sending ability was flawless.

Whatever the means, cw is still cw!

72/73, Bill wb0cld

Bill Launer  
St. Charles, MO  
launerb@crl.com  
wb0cld@wb0cld.ampr.org [44.46.66.25]  
qrp-l #279 qrp arci #3551  
Grid Square EM48RT

From owner-qrp-1@Lehigh.EDU Sat May 3 18:04:26 1997  
From: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>  
Subject: [18848] Re: Psion  
Message-ID: <862648459.0510807.0@gqrpclub.demon.co.uk>

There is a whole host of s/ware for the 3A on the web somewhere, forgotten the URL! You can find it using Yahoo or whatever. There are some newsgroups too.

I know there are logging files around. I used to use my 3A for packet using a programme called PocPac which is good and shareware too.

Good luck.

Frank G3YCC

QRP Web Site: <http://www.gqrpclub.demon.co.uk>

From owner-qrp-1@Lehigh.EDU Sat May 3 18:04:26 1997  
From: Steve Galchutt <N0TU@webaccess.net>  
Subject: [18870] Re: Rainbow Build-II Update  
Message-ID: <336B8CBD.1229@webaccess.net>

Joe Everhart wrote:

>

> At 08:37 PM 4/30/97 -0700, you wrote:

> >Hi Joe,

> >

> >My Rainbow works great! Tks for the kit/design!! I'd like to duplicate

> >mine from scratch in one of my trail rigs using Ugly Construction method.

> >But where do I get that special FET?? Tks Steve/N0TU

> >

> >

>

> Hi Steve,

>

> Glad you like it!

>

> The FET is available from several sources. I have used both Digikey

> (VN10LP) and Dans Small Parts (VN10K). You can also use the VN2222

> that some other folks carry, but it doesn't have as low a turn-on

> voltage so it takes more than 200 mW of RF to activate the bridge.

>

> Good luck and...

>

> 72/73,

>

> Joe E., N2CX  
>  
> from Southern New Jersey, y'all  
>  
> work: jeverhart@cayman.vf.mmc.com  
> home: n2cx@voicenet.com

Tks Joe for the info!! I was thinking today during my walk in the park that with just a simple jumper between the tuning cap and the toriod coil the LC circuit could be made to work on higher freqs like 20m by shorting out some of the turns ....so what if you put a tapping setup on the other end of the toriod like you do to find the 50 ohm match above ground? I going to try this..I'll let you know how it plays Steve/N0TU  
--

-----  
"Just doing it" - Havin'a blast buildin'& usin'QRP gear that is...  
n0tu/hw8/49er/SW40/38s/solar/backpack-mobile... QRP-L # 911  
My homepage - <http://www.webaccess.net/~S&P> ARS# 206 CQC# 394

From owner-qrp-l@Lehigh.EDU Sat May 3 18:04:26 1997  
From: mdwatt@usit.net (Marty Watt)  
Subject: [18863] Re: SLV RQ Info  
Message-ID: <336b57e0.36252367@smtp.usit.net>

On Fri, 02 May 1997 12:10:00 -0700, "Lawrence T. Owens"  
<w4dec@dibbs.net> wrote:

>Hi Gang,  
> Just received a 20 ft Black Widow fishing pole from  
>Cabela's. There are two brass clips on the base section, probably  
>to store fishing line. I plan to make up the original SLV for the=20  
>present and then get the W6MMA coil later. I am of the opinion the the  
>two brass clips should be removed . Any one out there that has used=20  
>the Black Widow and can tell me how they made out, and how they=20  
>prepared the base?

I am confused on one point -- if we order the W6MMA coil, what exactly is included? I know the coil itself, but QRPp and the web page seem to have different opinions on the other "stuff" required.

If I order a coil, will the "drive-in-the-ground" part be included? I can provide my own pole and wire (I think, will be looking this PM in Memphis). Just curious.

72 es 73 de=20

Marty, KM7W

-----  
Jackson, Tennessee e-mail: mdwatt@usit.net  
http://www.public.usit.net/mdwatt  
"The Curmudgeon's Corner"  
NorCal #2031 - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq  
-----

From owner-qrp-l@Lehigh.EDU Sat May 3 18:04:26 1997  
From: John Moriarity <k6qq@SOCAL.WANet.com>  
Subject: [18860] Re: Square wave drive for mixers.  
Message-ID: <3.0.1.16.19970503063542.21df85be@SOCAL.WANet.com>

I'm not familiar with the paper referenced by Zack, but here is  
one that develops the theory and shows measured results:

Sources of intermodulation in diode-ring mixers,  
H.P. Walker  
The Radio and Electronic Engineer  
Vol.46, No.5, pp.247-255, May 1976

Mr. Walker was (is?) an engineer at -hp- Ltd. in the U.K., and the referenced  
publication is British. His results show very significant reduction in  
third order IM products as the LO drive rise time is reduced.

72,

John, K6QQ

From owner-qrp-l@Lehigh.EDU Sat May 3 18:04:26 1997  
From: Paul Stroud <aa4xx@amsat.org>  
Subject: [18856] Re: WA3NNA/B Heard at 50uWs  
Message-ID: <336B4B81.1F83@amsat.org>

Richard H. Arland wrote:

>

> Gang:

>

> This morning, at 0400Z, I gave a listen for the WA3NNA Beacon on 3557 kc.

>

> Here's my results:

> 0423                    50uW    219    (Finally got the CODE WORD! Sigs right with

> the noise level and would pop up for a few  
> characters then disappear)  
>  
> RIG: Yaesu FT-301S  
> ANT: 80 mtr Zepp  
  
> S-5. While I doubt that this is any kind of a world record, it certainly  
> is an accomplishment for this operator.

Rich,

Copying WA3NNA/B at 50uW is indeed an outstanding accomplishment!  
The noise down in North Carolina has been running S9+20 dB, masking  
Pete's beacon at power levels below 100 mW. I can hear him down to 1  
mW, but can't dig out any meaningful info yet at that level. I'm sure a  
number of fellow KnightLites are in there digging and scratching too.  
:-) We're hoping for quieter conditions Sat and Sunday nights.  
Congratulations to you for that VFB accomplishment.

-Paul AA4XX

From owner-qrp-1@Lehigh.EDU Sat May 3 18:04:26 1997  
From: Steve Bornstein <sabornsb@freenet.columbus.oh.us>  
Subject: [18839] Re: WTB: Zinc Chromate Primer  
Message-ID: <Pine.3.07.9705022301.A24923-b100000@login>

G'day Bill,

For Zinc Chromate primer try a marine store. I recently purchased some  
with the Tempo brand name.

73, Steve K8IDN

On Fri, 2 May 1997, Bill Acito 02-May-1997 1421 wrote:

>  
>  
> I have a TenTec 525 that I am restoring. I was able to get a  
> bottom skin from TenTec, but the top will need to be repainted  
> (it had been repainted once, so I'm not bothered about stripping  
> it).  
>  
> I have not had the greatest success painting aluminum in the



> past (re: chipping), and remember from earlier posts that the  
> 'keys' were a very clean surface, and something called zinc  
> chromate primer.  
>  
> Does anyone have a trade name for this stuff, and a possible  
> national chain-store source for this stuff (I combed HQ to no  
> avail). I have had good luck with epoxy enamel, or appliance  
> enamel as the final coating. Anyone seen Hammerite at these  
> places (HQ Home Depot, etc.).  
>  
> b  
>  
>  
> . . . . . - I own my own words - . . . . .  
> Bill Acito acito@asdg.enet.dec.com  
> |d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA  
>  
> W1PA qrp-ne qrp-l adv-rs arci norcal amsat-na arrl-life  
> Mobile A0-27: 31 states, 52 grids, 4 countries from FN42  
>